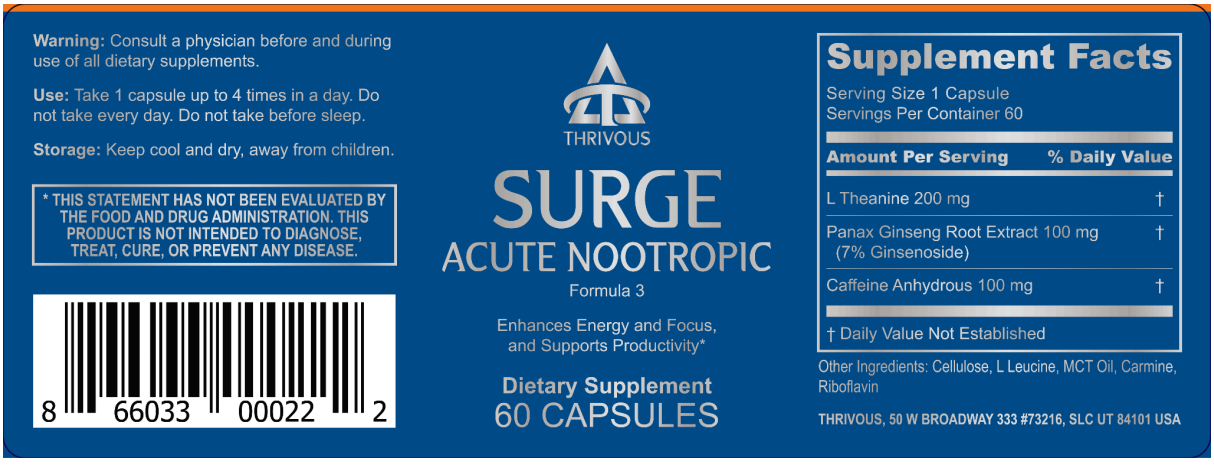
THRIVOUS

thrivous.com – support@thrivous.com – +1 801 658 9661 – 50 W Broadway 333 #73216, SLC UT 84101 USA

CERTIFICATE OF ANALYSIS AND QUALITY

Product	Surge Acute Nootropic
SKU	SURGE
Barcode	866033000222
Formula	3
Date	10 March 2025

Label



Certifications
Letter of Guarantee
Good Manufacturing Practice (GMP) Certificate from Manufacturing
ISO/IEC 17025 Certificate from Third-Party Testing
Certificate of Analysis from Third-Party Testing
Capsule Certificate of Analysis from Supplier
Capsule Certificate of Analysis from Third-Party Testing
Excipient L Leucine Certificate of Analysis from Supplier
Excipient L Leucine Certificate of Analysis from Third-Party Testing
Excipient MCT Oil Certificate of Analysis from Supplier
Excipient MCT Oil Certificate of Analysis from Third-Party Testing
Caffeine Anhydrous Certificate of Analysis from Supplier
Caffeine Anhydrous Certificate of Analysis from Third-Party Testing
L Theanine Certificate of Analysis from Supplier
L Theanine Certificate of Analysis from Third-Party Testing
Panax Ginseng Certificate of Analysis from Supplier
Panax Ginseng Certificate of Analysis from Third-Party Testing

THRIVOUS
thrivous.com – support@thrivous.com – +1 801 658 9661 – 50 W Broadway 333 #73216, SLC UT 84101 USA

10 March 2025

RE: Letter of Guarantee for Thrivous Surge Acute Nootropic

To whom it may concern,

The undersigned, Lincoln Cannon LLC DBA Thrivous ("Thrivous"), hereby guarantees as follows regarding Surge Acute Nootropic ("Product"):

1. Product is manufactured according to current Good Manufacturing Practices as indicated in 21 CFR Part 111.

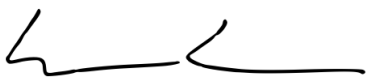
2. Product is tested by third party laboratories according to current best practices as indicated in ISO/IEC 17025.

3. All ingredients utilized for Product are lawful and safe as defined in section 402(f) of the FD&C Act.

4. To the best of Thrivous' knowledge, concentrations of active ingredients, as stated on the label of Product, are safe for consumption.

Thrivous further guarantees that any agent signing on behalf of Thrivous has the authority to bind and obligate Thrivous.

Lincoln Cannon LLC DBA Thrivous



Lincoln Cannon
CEO at Thrivous

State of Utah
SPENCER J. COX
Governor
DEIDRE M. HENDERSON
Lieutenant Governor

Department of Agriculture and Food

Craig W. Buttars
Commissioner
Kelly Pehrson
Deputy Commissioner
Travis Waller
Director, Regulatory Services

Certificate No.: REG-2024-16765

GOOD MANUFACTURING PRACTICE CERTIFICATE

ORIGIN NUTRACEUTICAL INC, located at, 151 E 3450 N, SPANISH FORK, UT 84660 is currently registered and inspected as a manufacturer of dietary supplements. ORIGIN NUTRACEUTICAL INC has all the facilities and equipment required to comply with the GOOD MANUFACTURING PRACTICE's (GMP's) for dietary supplements and meets the requirements of 21 CFR 117. ORIGIN NUTRACEUTICAL INC is subject to inspections at suitable intervals or in accordance to the regulations. Inspections evaluate and assures compliance with the state and federal regulations adopted through rules, which identifies the standard for proper facility construction, good manufacturing practices for dietary supplements (GMP), and fulfills requirements of those applicable laws and rules in the State of Utah.

This certificate is valid 1 (one) year from the notarized date.

UTAH DEPARTMENT OF AGRICULTURE AND FOOD

Travis Waller

Division of Regulatory Services

State of Utah, County of Salt Lake.

On this date MAY 0 9 2024 before me, the notary, personally appeared Travis Waller, proved on the basis of satisfactory evidence to be person, whose name is subscribed to this document, and acknowledge that he/she executed the same.

Notary Public

ALEXANDRA GALLEGOS
Notary Public - State of Utah
Comm. No. 733079
My Commission Expires on
Oct 1, 2027

4315 South 2700 West, TSOB South Building, Floor 2, Taylorsville, UT 84129-2128
Telephone 801-982-2200 * facsimile 385-465-6023 * https://ag.utah.gov

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Contract Testing Laboratories of America

151 E. 3450 N., Spanish Fork, UT 84660

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical and Microbiological Testing

(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
March 31, 2021	March 24, 2023	June 30, 2025

Accreditation No.:	*Certificate No.:*
102267	L23-261

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlabs.com

Certificate of Accreditation: Supplement

Contract Testing Laboratories of America
151 E. 3450 N., Spanish Fork, UT 84660
Contact Name: Brescia Eppley Phone: 385-477-4999

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Microbiological [F]	Food, Cosmetic, Supplemental, and Nutraceutical	Aerobic Plate Count	AOAC 990.12	10 CFU/g
		Escherichia Coli and Total Coliforms	AOAC 991.14	
		Enterobacteriaceae	AOAC 2003.01	
		Yeast and Mold	AOAC 2014.05	
		Escherichia Coli and Total Coliforms	AOAC 2018.13	
		Aerobic Plate Count	FDA BAM Ch. 3	
		Escherichia Coli and Total Coliforms	FDA BAM Ch. 4	
		Salmonella	FDA BAM Ch. 5	Presence or Absence
		Listeria Monocytogenes	FDA BAM Ch. 10	
		Staphylococcus Aureus	FDA BAM Ch. 12	
		Yeast and Mold	FDA BAM Ch. 18	100 CFU/g
		Yeast and Mold, Aerobic Plate Count	USP 2021	
		Escherichia Coli, Staphylococcus Aureus, Salmonella, Listeria Monocytogenes	USP 2022	Presence or Absence
		Aerobic Plate Count, Total Coliform, Yeast and Mold	USP <61>	100 CFU/g
		Escherichia Coli, Staphylococcus Aureus, Salmonella	USP <62>	Presence or Absence

Certificate of Accreditation: Supplement

Contract Testing Laboratories of America
151 E. 3450 N., Spanish Fork, UT 84660
Contact Name: Brescia Eppley Phone: 385-477-4999

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Chemical [F]	Food, Cosmetic, Supplemental, and Nutraceutical	Arsenic, Cadmium, Lead, Mercury	USP <233>	LOD of As = 8 ppt LOD of Cd = 4 ppt LOD of Pb = 4 ppt LOD of Hg = 4 ppt
		pH	USP <791>	LOQ = 0.01 %
		Caffeine	CTLA: M061	LOQ = 0.000 2907 %
		Cannabinoids: Total Cannabidiol (CBD) Total Tetrahydrocannabinol (THC) CBD CBDA Δ9-THC THCA Δ8-THC THCV CBDV CBDVA CBGA CBG CBN CBC CBL	CTLA: M052	LOQ = 0.062 5 %
		Mineral Analysis: Chromium (Cr) Iron (Fe) Magnesium (Mg) Zinc (Zn)	CTLA: M068	LOD for Mg, Fe, and Zn = 5.000 ppb LOD for Cr = 0.500 ppb

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer [F] would mean that the laboratory performs this testing at its fixed location.

Certificate of Analysis

CTLA ID	128775	**Sample Name**	30099 Surge Acute Nootropic
Customer	Thrivous	**Lot Number**	2432602
Date Received	2/18/2025	**Date Complete**	3/6/2025
Customer Address:			

ANALYSIS	SPECIFICATION	RESULT	METHOD	MDL	UNITS
Total Aerobic Microbial Count (USP)	Report	200	USP<2021>	100	cfu/g
Total Coliforms (BAM) (MOD)	Report	<10	BAM CH. 4	10	cfu/g
E. Coli Bam (MOD)	Report	Absent	BAM CH. 4		
Salmonella	Report	Absent	USP <2022>		
Staphylococcus aureus <2022>	Report	Absent	USP <2022>		
Rapid Yeast and Mold	Report	<10	AOAC 2014.05	10	cfu/g
Arsenic	Report	0.006	<USP 233>	0.001	ppm
Cadmium	Report	<0.001	<USP 233>	0.001	ppm
Mercury	Report	0.014	<USP 233>	0.001	ppm
Lead	Report	<0.001	<USP 233>	0.001	ppm

COA Note: Amended report:
duplicate COA

Approved By:

Date: 3/6/2025

Specifications provided by the Customer. Results with an asterisk (*) denote Specification should be reviewed by the Customer. This Certificate of Analysis represents the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. The results are provided for the benefit of the Customer. Results using the "by input" method are calculated using information provided by the Customer. MDL = Method Detection Limit

151 E 3450 N, Ste 202
Spanish Fork, UT 84660

ISO 17025:2017 ACCREDITED LABORATORY

ORIGINAL

EMBOCAPS®

by SUHEUNG

SUHEUNG Co., Ltd.
Plant : 61, Osongsaengmyeong-ro, Osong-eup, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, 28161, Korea.
Office : Suheung Bldg, 40, Janghan-ro, Dongdaemun-gu, Seoul, 02643, Korea.
Tel : +82-43-249-4200(Plant)/+82-2-2210-8173~8(Office) E-mail : inquires@suheung.com http://www.suheung.com

* ORDER NO. HC4820

Date : Jul. 05, 2019
Ref. : 190705 - 03

CERTIFICATE OF ANALYSIS

Mfg.Date : Jun. 18, 2019
Exp.Date : Jun. 17, 2024

Prepared for	:	SUHEUNG-AMERICA U.S.A
Product Description	:	Empty Hard Capsules From Hypromellose (HPMC)
Product Size	:	#0
Product Type	:	EMBO CAPS® VG^{NS} "Kosher and Halal Certified"
Color (CAP/BODY)	:	STD. ORANGE TR. / STD. ORANGE TR.
Lot Number	:	V0A23A23 - 93802
Quantity	:	10,000,000 PCS (100 Cartons) Carton No. : 1 - 100

ITEM		STANDARD		RESULTS
Length (mm)	Cap	10.3 - 11.1	In-house Spec	10.8
	Body	18.0 - 18.8	In-house Spec	18.5
Weight (mg)		84.6 - 105.4	In-house Spec	93.2
Disintegration (minute)		Within 20	USP	Passed
Loss on Drying (%)		3.0 - 7.0	USP	4.9
Residue on Ignition (%)		Less than 3	USP	Passed
Arsenic (ppm)		Less than 3	USP	Passed
Heavy Metals (ppm)		Less than 10	USP	Passed
TAMC (CFU/g)		Less than 500	USP	Passed
TYMC (CFU/g)		Less than 100	USP	<10
E.Coli (-/10g)		Negative	USP	Passed
Salmonella (-/10g)		Negative	USP	Passed
Staphylococcus aureus (-/10g)		Negative	USP	Passed
Pseudomonas aeruginosa (-/10g)		Negative	USP	Passed

Quality Assurance Manager

CTLA
Contract TESTING Laboratories
OF AMERICA

Certificate of Analysis

Sample Information

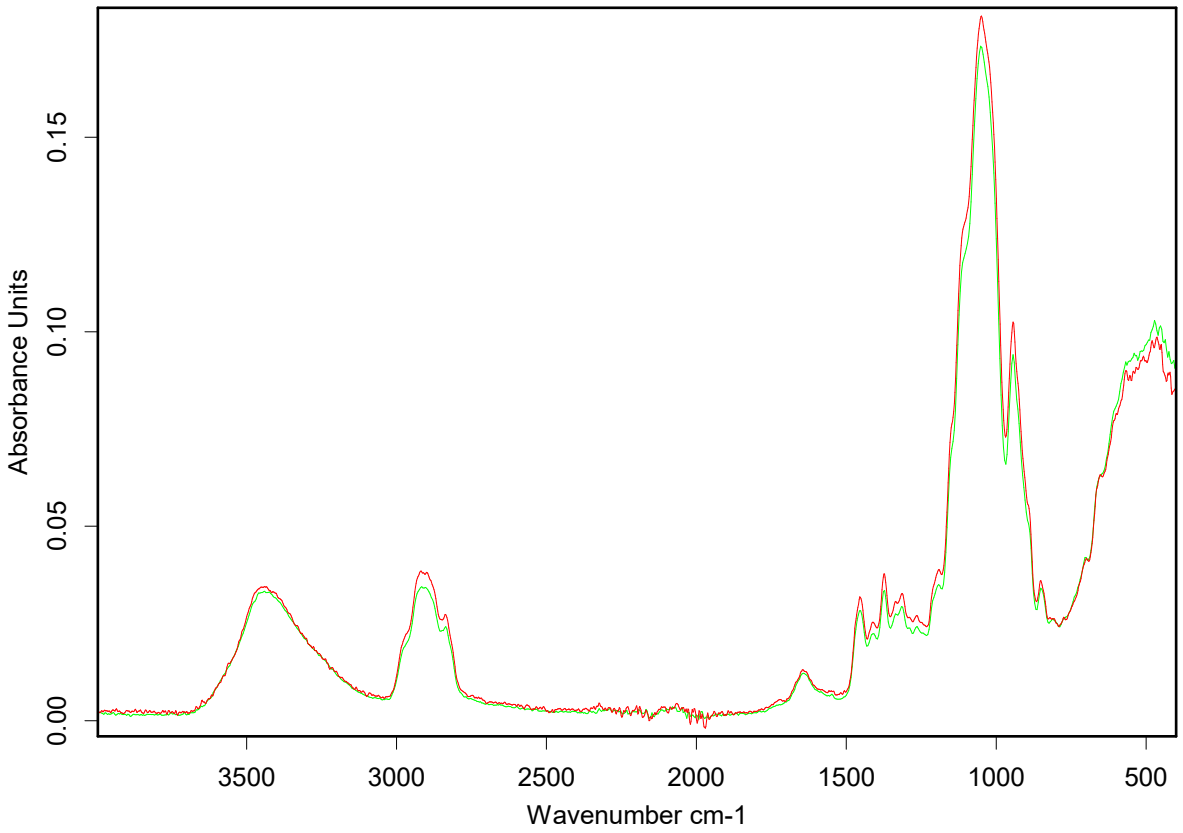
CTLA ID: 115706
Date Received: 10/1/2024
Sample Name: 10786 Capsule, HPMC, 0, Orange
Lot Number: 38760
Customer: Origin Nutraceutical

Analysis	Method	MDL	Specification	Result	Units
ID, Rapid Complete Micro Combo					
ID	FTIR		Report	95.5	%
Total Aerobic Microbial Count (USP)	USP <2021>	100	Report	200	cfu/g
Total Coliforms	USP <2021> mod	10	Report	<10	cfu/g
E. coli	USP <2022>		Report	Absent	
Salmonella	USP <2022>		Report	Absent	
Staphylococcus aureus <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g
FTIR Spectra	FTIR		Report	Attached	

10/4/2024
DATE

Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer.
This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit. This document is not to be altered or reproduced except by the original authorizing body (CTLA)



Product Number	ON 10786 CPS Capsule, HPMC, 0, Orange
Entry No.	2593
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	
Copyright	

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	955	ON 10786 CPS Capsule, HPMC, 0, Orange			

Color	File	Path	Spectrum Type
	115706-ON 10786 Capsule, HPMC, 0, Orange (38760).2	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum

Shine Star (Hubei) Biological Engineering Co., Ltd.

Headquarters: No. 666 Chanling Avenue, Douhudi Town, GongAn, Jingzhou, Hubei.P.R.China
Tel: +86-27 8578 6222 Fax: +86-27 8578 6555
E-mail: sales@Shine-Star.com.cn www.Shine-Star.com.cn

CERTIFICATE OF ANALYSIS

Product Name	L-Leucine	CAS No.	61-90-5
Quantity	1000kgs	Manufacture Date	Aug 14, 2023
Batch No.	55233385	Analysis Date	Aug 18, 2023
Quality Standard	USP33	Expiry Date	Aug 13, 2025

Test Items	Limit	Result
Appearance	white or almost white crystalline powder	conform
Identification	as per USP33	conform
Specific rotation	+14.9° to +17.3°	+15.6°
pH	5.5 to 7.0	5.9
Loss on drying	not more than 0.2%	0.16%
Residue on ignition	not more than 0.4%	0.04%
Chloride	not more than 0.05%	<0.05%
Sulfate	not more than 0.03%	<0.03%
Iron	not more than 0.003%	<0.003%
Heavy metals	not more than 0.0015%	<0.0015%
Chromatographic purity	as per USP33	conform
Assay	98.5% to 101.5%	99.8%

Conclusion: The products conform to USP33 standard.

Reported by: 赵敏 Verified by: 郭刚

Storage: Preserve in well closed containers.

CTLA
Contract TESTING Laboratories
OF AMERICA

Certificate of Analysis

Sample Information

CTLA ID: 105103
Date Received: 5/29/2024
Sample Name: 10164 DRM L-Leucine
Lot Number: 55631
Customer: Origin Nutraceutical

Analysis	Method	MDL	Specification	Result	Units
ID, Rapid Complete Micro Combo					
ID	FTIR		Report	98.3	%
Total Aerobic Microbial Count	USP <2021>	100	Report	<100	cfu/g
Total Coliforms	USP <2021>	10	Report	<10	cfu/g
E. coli	USP <2022>		Report	Absent	
Salmonella	USP <2022>		Report	Absent	
Staphylococcus aureus <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g

5/31/2024
DATE

Quality Manager

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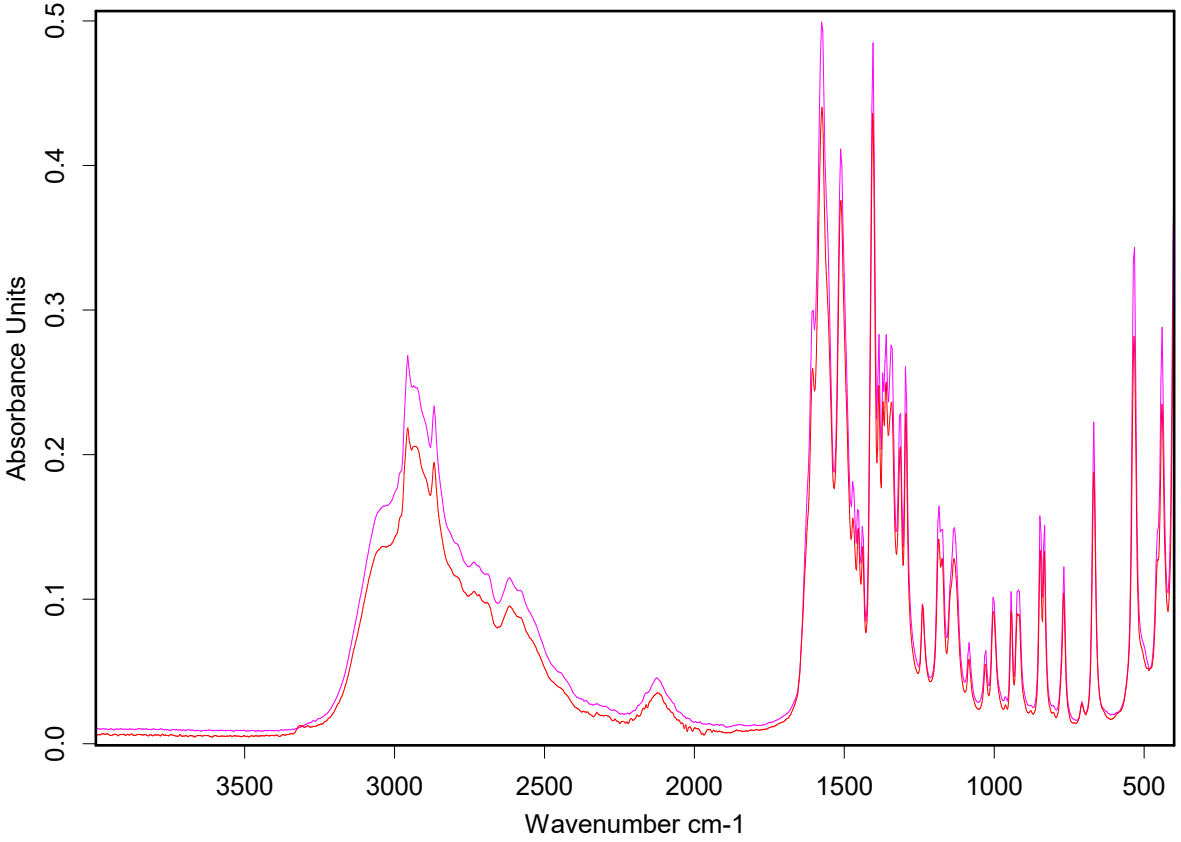

Product Number	ON 10164 DRM L-Leucine (52699) Standard 2
Entry No.	3443
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	
Copyright	

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	975	ON 10164 DRM L-Leucine (52699) Standard 2			

Color	File	Path	Spectrum Type
	118287-ON 10164 L-Leucine (55631).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum

Bioriginal
Anticipate • Innovate • Grow
102 Melville Street
Saskatoon, Saskatchewan, Canada S7J 0R1
Tel: (306) 975-1166 • Fax: (306) 242-3829
www.bioriginal.com

CERTIFICATE OF ANALYSIS

Product:	MCT Coco C8 C10
Item Code:	249000032
Lot Number:	PRO102647
Manufacture Date:	2024-Sep
Expiry Date	2026-Sep
Lab Test Date:	2024-Sep

Quality Control: **Date:** 2024/9/5 Version #00

Shelf life is 24 months from date of manufacture or lab test date provided the following conditions are met:
Store at a temperature not exceeding 30°C (86°F) and away from a source of light and heat.
Product should be shipped under ambient temperature.
Compliance of finished product to California Proposition 65 is dependent on the recommended daily dosage.
This product is suitable for a vegetarian diet.

*Based on input analysis and/or calculation.

Bioriginal
Anticipate • Innovate • Grow
102 Melville Street
Saskatoon, Saskatchewan, Canada S7J 0R1
Tel: (306) 975-1166 • Fax: (306) 242-3829
www.bioriginal.com

CERTIFICATE OF ANALYSIS

Product:	MCT Coco C8 C10
Item Code:	249000032
Lot Number:	PRO102647
Manufacture Date:	2024-Sep
Expiry Date	2026-Sep
Lab Test Date:	2024-Sep

Quality Parameters

Parameter	Specification	Assay	Method
Colour	Clear to pale yellow	Complies	Visual
Peroxide Value	<5 mEq/kg	0.20 mEq/kg	AOCS Cd 8b-53
Acid Value	<4 mg KOH/g	0.22 mg KOH/g	AOCS Cd 3a-63
Moisture	<0.2 %	0.03 %	AOCS Ca 2c-25

Active Ingredient(s) per 1g (natural variation is expected)

Parameter	Specification	Assay	Method
C8:0 - Caprylic Acid (Area %)	Min. 55 %	56 %	AOCS Ce 1a-13
C10:0 - Capric Acid (Area %)	MIn. 35 %	43.43 %	AOCS Ce 1a-13
C12:0 - Lauric Acid (Area %)	Report %	0.1 %	AOCS Ce 1a-13
C8:0 - Caprylic Acid (FA)	Min. 490 mg FA	554 mg FA	AOCS Ce 1a-13
C10:0 - Capric Acid (FA)	Min. 330 mg FA	384 mg FA	AOCS Ce 1a-13
C12:0 - Lauric Acid (FA)	Report mg FA	0.8 mg FA	AOCS Ce 1a-13

Contaminants and Heavy Metals

Parameter	Specification	Assay	Method
Arsenic	<0.1 ppm	<0.06 ppm	AOCS Ca 17-01
Cadmium	<0.1 ppm	<0.006 ppm	AOCS Ca 17-01
Lead	<0.1 ppm	<0.07 ppm	AOCS Ca 17-01
Mercury	<0.1 ppm	<0.03 ppm	AOCS Ca 17-01
Pesticides	Meets USP Requirements	Meets USP Requirements	USP<561>

Microbial Limits

Parameter	Specification	Assay	Method
Water activity	<0.8	0.20	Internal method

The above certificate of analysis is presented in good faith and the information contained on it is believed to be accurate but should not be interpreted as a guarantee. The verification and use of the information shall be responsibility or risk of the party using the information/product. Bioriginal Food & Science Corp., disclaims any liability incurred in connection with the use of this information/product. All precautionary labels and notices should be read and understood by all supervisory personnel before using. The data contained herein should not be interpreted as permission to use any existing patent.

CTLA
Contract TESTING Laboratories
OF AMERICA

Certificate of Analysis

Sample Information

CTLA ID: 118288
Date Received: 10/29/2024
Sample Name: 10842 MCT Oil 100%
Lot Number: 57708
Customer: Origin Nutraceutical

Analysis	Method	MDL	Specification	Result	Units
ID, Rapid Complete Micro Combo					
ID	FTIR		Report	99.4	%
Total Aerobic Microbial Count (USP)	USP <2021>	100	Report	<100	cfu/g
Total Coliforms (USP)	USP <2021> (MOD)	10	Report	<10	cfu/g
E. coli	USP <2022> (MOD)		Report	Absent	
Salmonella	USP <2022>		Report	Absent	
Staphylococcus aureus <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g
FTIR Spectra	FTIR		Report	Attached	

11/1/2024
DATE

Quality Manager

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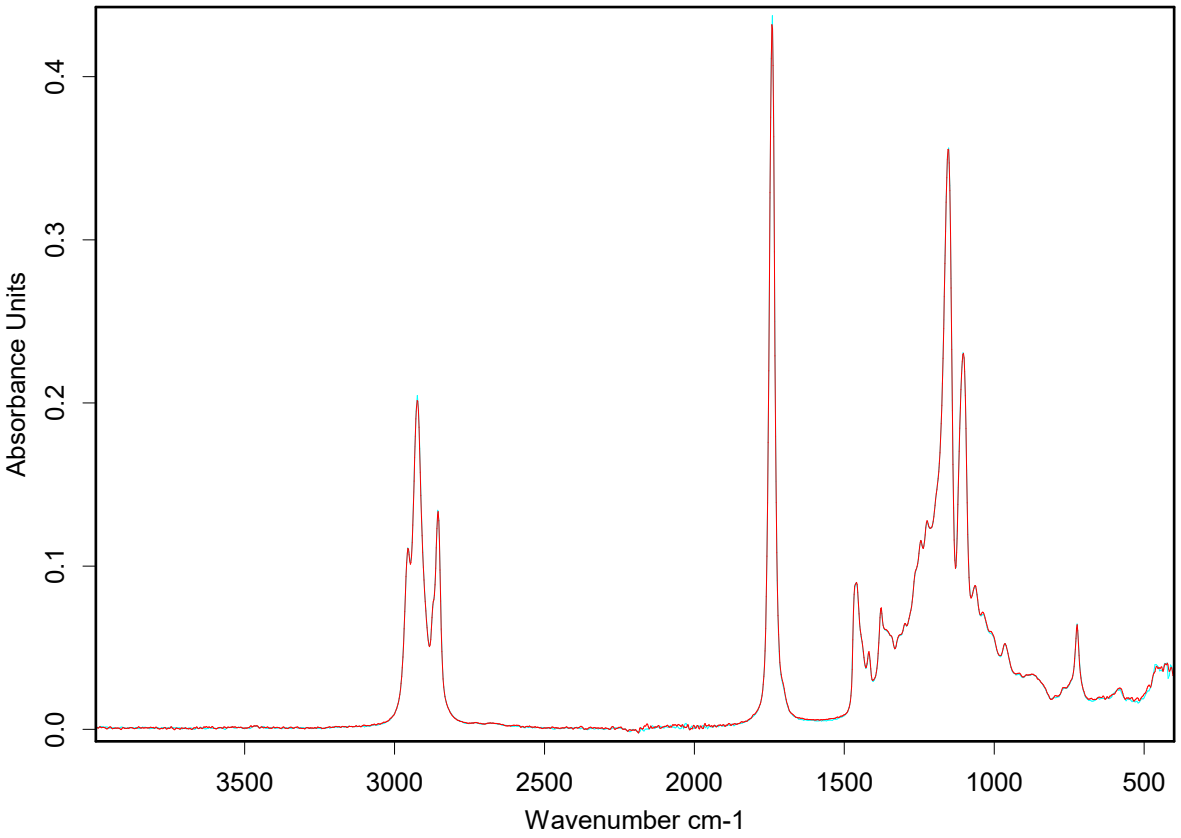

Product Number	ON 10842 MCT Oil 100% (53841) Standard 3
Entry No.	3572
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	
Copyright	

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	994	ON 10842 MCT Oil 100% (53841) Standard 3			

Color	File	Path	Spectrum Type
	118288-ON 10842 MCT Oil 100% (57768).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum

石药创新制药股份有限公司
CSPC INNOVATION PHARMACEUTICAL CO., LTD.
Address: No.62 Zhangju Road,Luancheng County,Shi Jiazhuang City,Hebei Province,China
Tel: +86 311 85408723 +86 311 85408725 Fax: +86 311 85409463 P.C.:051430

Certificate of Analysis

No.: REC-ZL-G6126 (02)

Product:	Caffeine (Anhydrous)	Manu. Date:	2024.04.12
Batch No.:	1032404468	Analysis Standard:	BP2024/EP11.0/USP2024/FCC12
Quantity:	18000 kg	Analysis Date:	2024.04.13
Retest Date:	2029.04.11	Report Date:	2024.04.22
Material Code:	10001		

Test Item	Specification	Methods	Results
【Characters】			
Appearance	White crystalline powder silky, white crystals	EP11.0	White crystalline powder
【Identification】			
A、Infrared Absorption	Conforms to the USP Caffeine RS	USP2024/FCC12	Pass
B、The retention time of caffeine peak	Corresponds to the Standard preparation obtained in the Assay	USP2024/FCC12	Pass
【Tests】			
Appearance of solution	Clear 、colourless	BP2024/EP11.0	Pass
Sulphates	≤500ppm	BP2024/EP11.0	<500ppm
Related substances			
-Each impurity A/B/C/D/E/F	≤0.10%	BP2024/EP11.0	<0.10%
-Unspecified impurities	≤0.10%	BP2024/EP11.0	<0.10%
-Total impurities	≤0.10%	BP2024/EP11.0	<0.10%
Acidity	Not more than 0.2ml of 0.01M sodium hydroxide	BP2024/EP11.0	<0.2ml
Organic impurities			
-Individual impurities	≤0.1%	USP2024	<0.1%
-Total impurities	≤0.1%	USP2024	<0.1%
Other Alkaloids	No precipitate is formed	FCC12	Pass
Melting Range	235~237.5 ℃	FCC12	236.0~236.7℃
Readily Carbonizable Substances	Passes Test	FCC12	Pass
Loss on drying	≤0.5%	BP2024/EP11.0	0.05%
Residue on ignition	≤0.1%	BP2024/EP11.0	0.04%
【Assay】	98.5%~101.0%	USP2024	99.8%
Mesh	≥95% through 40 mesh	In-house	Pass
*Odor	Odorless	In-house	Pass
*Flavor	Bitter	In-house	Pass
*Heavy Metals	≤10ppm	ChP2020	<10ppm
*Arsenic	≤1.5ppm	In-house	Pass
*Cadmium	≤0.5ppm	In-house	Pass
*Lead	≤0.5ppm	In-house	Pass
*Mercury	≤0.2ppm	In-house	Pass
*pH	5.5-6.5	JP18	Pass
*Residual solvents	Chloroform≤60ppm	In-house	Pass
*Microbiological			
Total Count Of Aerobic Bacteria	≤1000cfu/g	ChP2020	Pass
Yeast & Mold	≤100cfu/g	ChP2020	Pass
E.coli	Negative	ChP2020	Pass
Coliforms	<10cfu/g	ChP2020	Pass
Salmonella	Negative/10g	ChP2020	Pass
Staphylococcus aureus	Negative/1g	ChP2020	Pass

Conclusion: The above product conforms to BP2024、EP11.0、USP2024、FCC12 requirement on Caffeine

*: Means this item is spot test every year. Not for pharmaceutical use.

Chief of Quality Analysis Dept: 梁彭欣 Rechecker: 张欣宇 Reporter:

CTLA
Contract TESTING Laboratories
OF AMERICA

Certificate of Analysis

Sample Information

CTLA ID: 118284
Date Received: 10/29/2024
Sample Name: 10109 Caffeine Anhydrous
Lot Number: 55723
Customer: Origin Nutraceutical

Analysis	Method	MDL	Specification	Result	Units
ID, Rapid Complete Micro Combo					
ID	FTIR		Report	97.0	%
Total Aerobic Microbial Count (USP)	USP <2021>	100	Report	<100	cfu/g
Total Coliforms (USP)	USP <2021> (MOD)	10	Report	<10	cfu/g
E. coli	USP <2022> (MOD)		Report	Absent	
Salmonella	USP <2022>		Report	Absent	
Staphylococcus aureus <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g
Caffeine	HPLC		Report	98.326	%
FTIR Spectra	FTIR		Report	Attached	

Amended report: lot number

11/22/2024
DATE

Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer.
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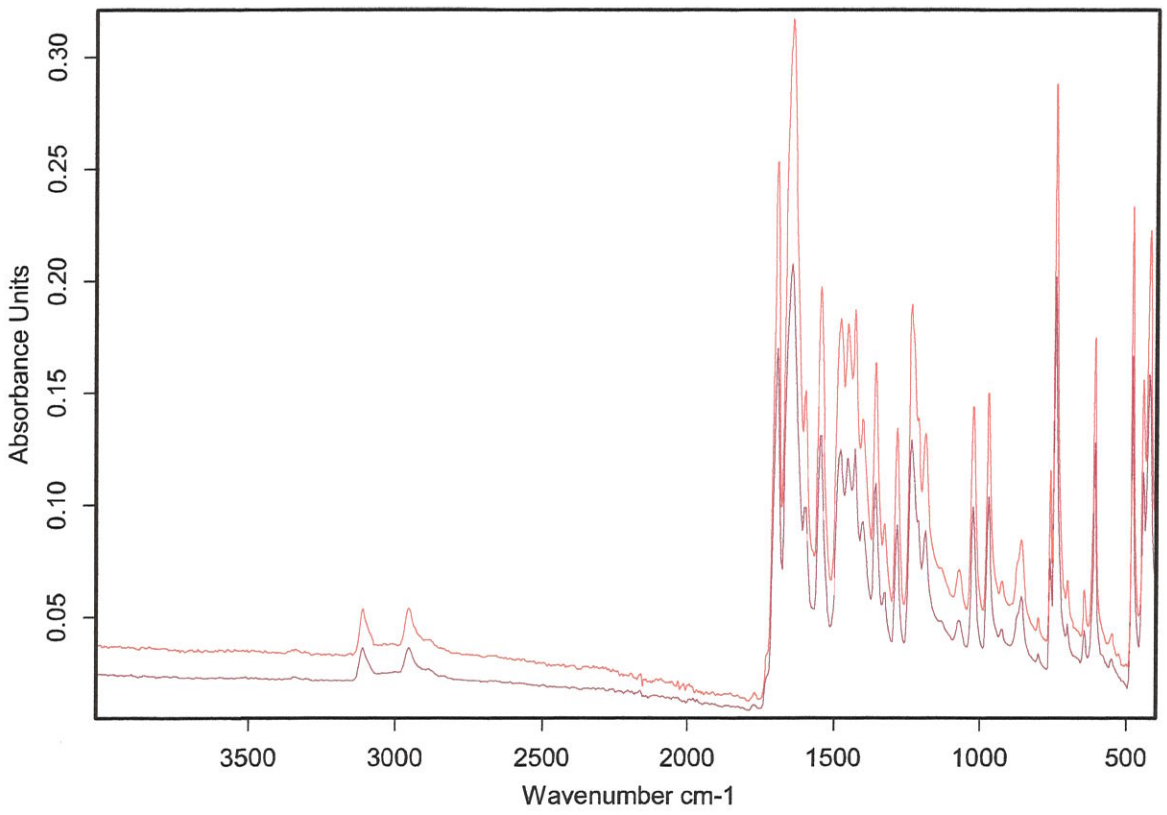

Product Number	-ON 10109 DRM Caffeine Anhydrous (Kosher
Entry No.	215
Library name	
Library description	
Copyright	

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	970	-ON 10109 DRM Caffeine Anhydrous (Kosher) (30235) Standard 3			

Color	File	Path	Spectrum Type
	118284-ON 10109 Caffeine Anhydrous (55732).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\Data\MEAS	Query Spectrum

SICHUAN TONGSHENG AMINO ACID CO., LTD

Certification of Analysis

Product Name: L-Theanine
CAS#: 3081-61-6
Molecular Formula: $C_7H_{14}N_2O_3$
Molecular Weight:174.2
Manufacture time: 2023-12-16
Batch No.: 011099-H2024010601
Testing time: 2024-01-06
Expiry time: 2026-12-15
Specification:(Enterprise Standard)

Item	Standard	Analysis data	Test Method
Description	White to yellowwish White crystals or crystalline powder	Conforms	Visual
Odor	Characteristic odor	Conforms	Smell
Solution clarity	Clear and colorless	Clear and colorless	Visual
Assay	98.0～102.0%	99.35%	AJI97
PH	4.5-6.0	5.68	AJI97
Loss on drying	≤1.0%	0.21%	AJI97
Residue on ignition	≤0.20%	0.08%	AJI97
Specific Rotation	+ 7.5 °- + 8.5 °	+ 7.98 °	AJI97
Chloride	≤0.02%	<0.02%	AJI97
Sulfate	≤0.02%	<0.02%	AJI97
Particle size	90% through 80mesh	Conform	Mesh screen
Heavy metals	≤10ppm	<10ppm	AJI97
Lead(Pb)	≤0.5ppm	<0.5ppm	ICP-MS
Arsenic(As)	≤2ppm	<2ppm	ICP-MS
Mercury(Hg)	≤0.1ppm	<0.1ppm	ICP-MS
Cadmium	≤1ppm	<1ppm	ICP-MS
Total Plate Count	≤1000CFU/g	Conforms	USP26
Yeast and Molds	≤100 CFU/g	Conforms	USP26
Coliforms	Negative	Negative	USP26
Salmonella	Negative in 25g	Conforms	USP26
Conclusion	The product conforms to the standard.		

Inspector:王明芳　　Manager:肖宏林　　Confirmed：陈书娟

Sheet Made on Jan 06,2024　　Signature：

CTLA
Contract TESTING Laboratories
OF AMERICA

Certificate of Analysis

Sample Information

CTLA ID: 109765
Date Received: 7/24/2024
Sample Name: 10310 DRM L-Theanine
Lot Number: 56825
Customer: Origin Nutraceutical

Analysis	Method	MDL	Specification	Result	Units
ID, Rapid Complete Micro Combo					
ID	FTIR		Report	97.7	%
Total Aerobic Microbial Count	USP <2021>	100	Report	<100	cfu/g
Total Coliforms	USP <2021> mod	10	Report	<10	cfu/g
E. coli	USP <2022>		Report	Absent	
Salmonella	USP <2022>		Report	Absent	
Staphylococcus aureus <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g
L-Theanine	LC-DAD	0.104	Report	99.714	mg/g

8/2/2024
DATE

Quality Manager

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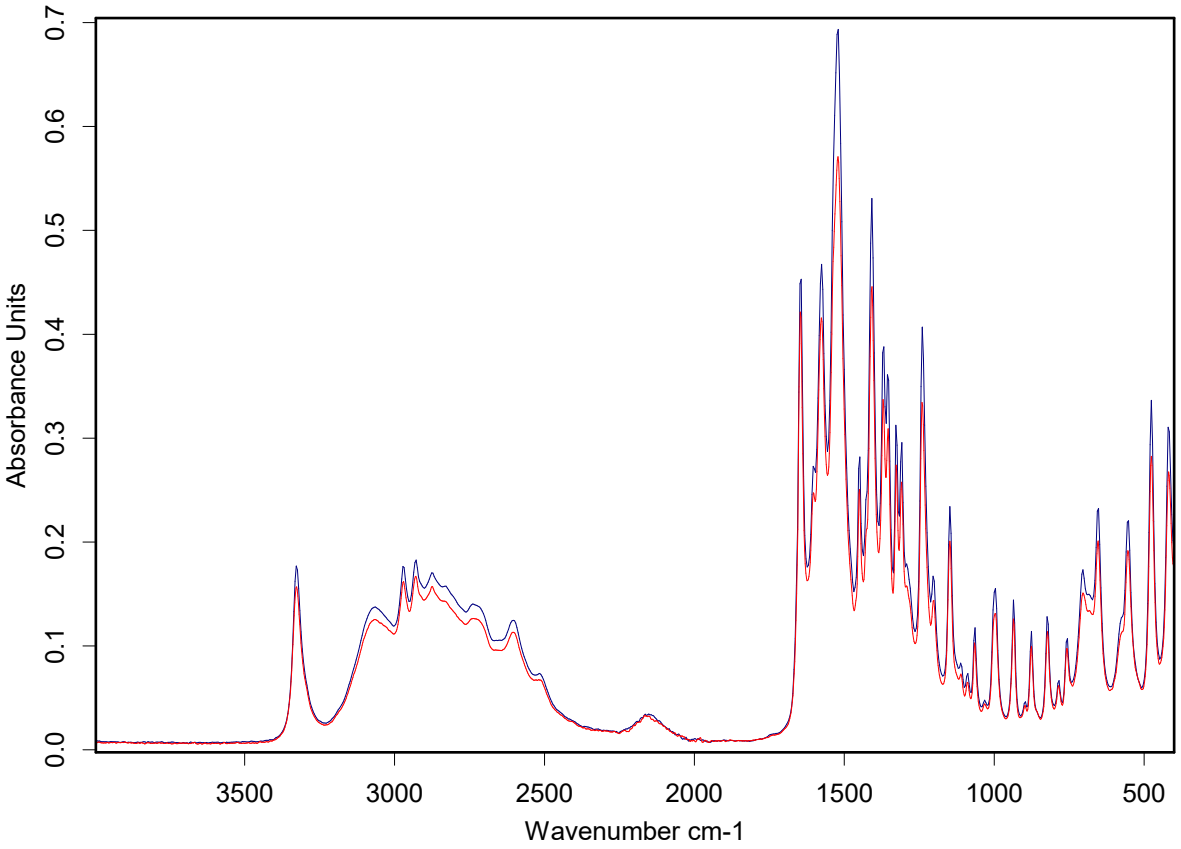

Product Number	10310 L-Theanine 63011 Standard 1
Entry No.	293
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	
Copyright	

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	963	10310 L-Theanine 63011 Standard 1			

Color	File	Path	Spectrum Type
	118286-ON 10310 L-Theanine (56825).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum

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CERTIFICATE OF ANALYSIS

Panax Ginseng Root Extract 7% Ginsenosides HPLC

GENERAL INFORMATION

Lot Number	CRSG-C-A402132	**Report Date**	02/11/2024
Manufacture Date	02/04/2024	**Expiration Date**	02/03/2027
Botanical Species	*Panax ginseng*	**Part Used**	Root
Country of Origin	China	**Carrier Used**	Maltodextrin
Solvent Used	Water & Ethanol	**Kosher || Halal**	Yes || Yes

ITEM	SPECIFICATION		TEST RESULTS	METHOD
PHYSICAL & CHEMICAL				
Identification	Corresponds to Reference Standard		Complies	*HPTLC || USP<203>*
Appearance	Light yellow brown fine powder		Complies	*Organoleptic*
Ginsenosides	NLT (%)	7.0	7.13	*HPLC || USP<621>*
Particle Size	NLT	95% through 80 mesh	Complies	*USP<786>*
Loss on Drying	NMT (%)	10.0	4.51	*USP<731>*
Bulk Density	Between (g/100ml)	30-70	42	*USP<616>Method I*
CONTAMINANTS				
Lead (Pb)	NMT (ppm)	2.0	0.0122	*ICP-MS || USP<730>*
Arsenic (As)	NMT (ppm)	2.0	0.0341	*ICP-MS || USP<730>*
Cadmium (Cd)	NMT (ppm)	1.0	0.0099	*ICP-MS || USP<730>*
Mercury (Hg)	NMT (ppm)	1.0	0.0001	*ICP-MS || USP<730>*
Solvent Residue	Meets Requirements		Complies	*GC || USP<467>*
MICROBIOLOGICAL				
Total Plate Count	NMT (cfu/g)	10,000	10	*USP<2021>*
Yeast & Mold	NMT (cfu/g)	1,000	10	*USP<2021>*
E.Coli.	Absent (cfu/10g)		Complies	*USP<2022>*
Salmonella	Absent (cfu/10g)		Complies	*USP<2022>*
Staphylococcus aureus	Absent (cfu/10g)		Complies	*USP<2022>*

PACKING & STORAGE Packed in a polyethylene lined corrugated package.
Store in a well-closed container away from moisture, light, and heat.
Net Weight: 25 kg Pack Type: Drum

SHELF LIFE 36 months if under the conditions above and in its original packaging.

MANUFACTURER Shaanxi Jiahe Pharmaceutical Co., Ltd.

NOTE *This is a natural product, variances may be found that are due to the growing and drying conditions, age, season, harvest time, geographic location, production process, etc.*

Completed by: Qiangang Wang **Signature:** Qian gang Wang

Title: Quality Control Manager

U.S. Headquarters
1 Chapin Road, Unit 1
Pine Brook, NJ 07058

West Coast Office
1204 N. Miller Street, Suite D
Anaheim, CA 92806

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P: 973.439.6869
www.jiaherbinc.com

CTLA Contract TESTING Laboratories OF AMERICA

Certificate of Analysis

Sample Information

CTLA ID: 118285
Date Received: 10/29/2024
Sample Name: 10139 Panax Ginseng Root EXT 7%
Lot Number: 53598
Customer: Origin Nutraceutical

Analysis	Method	MDL	Specification	Result	Units
ID, Rapid Complete Micro Combo					
ID	FTIR		Report	95.0	%
Total Aerobic Microbial Count (USP)	USP <2021>	100	Report	100	cfu/g
Total Coliforms (USP)	USP <2021> (MOD)	10	Report	<10	cfu/g
E. coli	USP <2022> (MOD)		Report	Absent	
Salmonella	USP <2022>		Report	Absent	
Staphylococcus aureus <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g
FTIR Spectra	FTIR		Report	Attached	
Total Ginsenosides	LC-MS/MS		7	8.277	%
HPTLC	HPTLC		Panax Ginseng Root	Characteristic	

Amended report: test added

HPTLC: test sample is consistent with standard *Panax ginseng* (Ginseng root).

1/20/2025
DATE

Quality Manager

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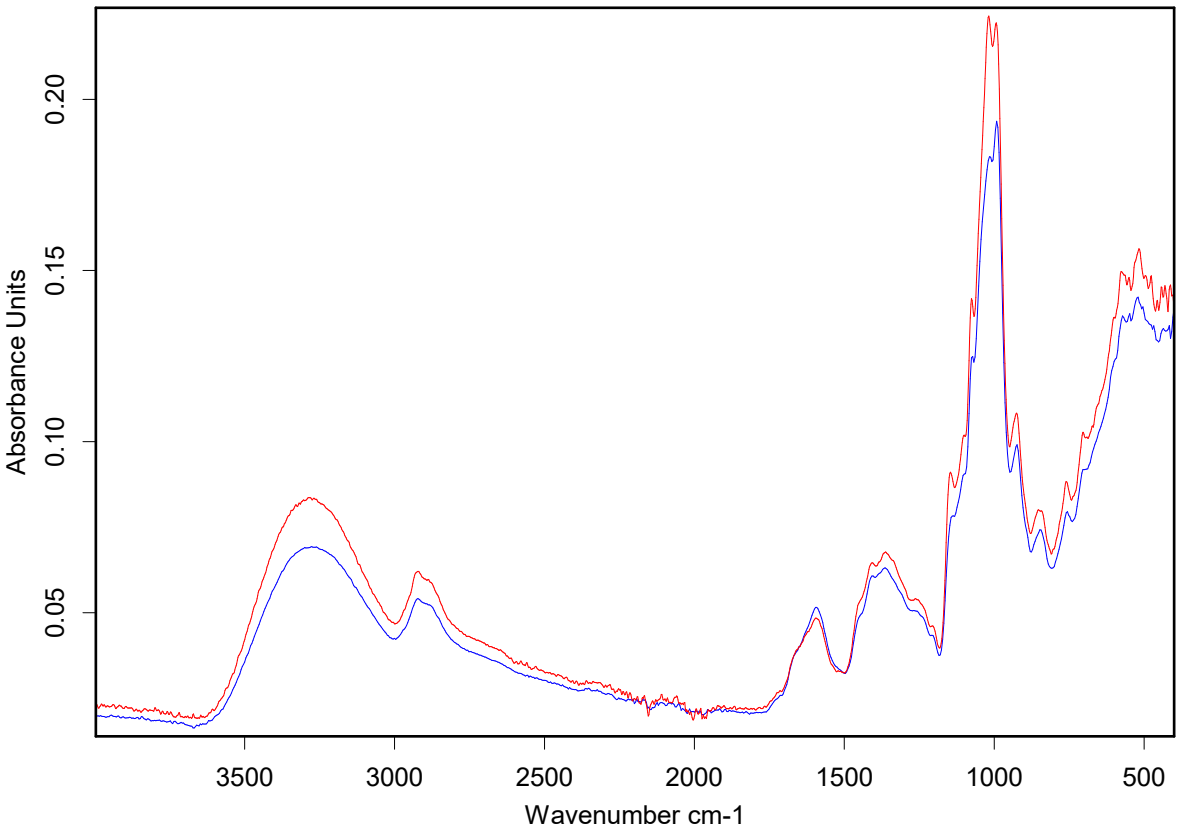

Product Number	ON 10139 DRM Panax Ginseng Root Ext 7% 1
Entry No.	1778
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	
Copyright	

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	950	ON 10139 DRM Panax Ginseng Root Ext 7% 19282 Standard 3			

Color	File	Path	Spectrum Type
	118285-ON 10139 Panax Ginseng Root EXT 7% (53598).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum